

Technical Data Sheet

AS-4022 Clear MS Sealant



Physical Properties

Appearance:
Clear paste

Colours:
Clear

Tack-free / Skin-form time:
10 – 20 minutes
(at 25 °C & 50% R.H.)

Cure depth
2 – 3 mm / 24 hours
(at 25 °C & 50% R.H.)

Application temperature:
5 °C to 40 °C

Service temperature:
-20 °C to 90 °C

Storage:
Store in a dry and cool place
with temperature below 30 °C.

Shelf life:
9 months

Packaging:

Content	Quantity/ carton
290 mL cartridges	20

Description

A new generation MS Polymer sealant formulated for all bonding and sealing applications where long term reliability is required. It has excellent bonding strength on various materials. It will cure to form a durable, flexible, waterproof seal.

Features

- ◆ Crystal clear
- ◆ Bonds various materials
- ◆ Primerless bonding to most surfaces

Applications

Suitable for bonding and sealing of various materials: plastics (nylon, PVC, ABS, etc.), metal (stainless steel, aluminium, copper, etc.), rubber (natural rubber, synthetic rubber, EPDM, etc.), natural materials (wood, leather, etc.), and inorganics (concrete, natural stone, tiles, glass, etc.).

Technical Data

Curing system	: Moisture curing
Density	: 1.04 g/mL
Maximum tensile at break (ASTM D412)	: 1.4 N/mm
Elongation (ASTM D412)	: 210 %
Shore A hardness (ASTM C661)	: 38

Usage Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finishing, apply masking tape and remove it before sealant skins over.
4. Cut the tip off and puncture the internal foil seal with the nozzle. Cut the nozzle at 45° angle to desired bead-width and apply the sealant to substrate with a cartridge gun.
5. Tool the sealant within 10 minutes of extrusion before it skins. Tack-free in 20 minutes.
6. Uncured sealant can be cleaned up with mineral spirits.

Clean Up

- ◆ Wet sealants can be cleaned up with acetone or mineral spirits.
- ◆ Cured sealants can only be removed mechanically.

Joint Design

- ◆ The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- ◆ Minimum bead size should not be less than 3 mm to accommodate movement.
- ◆ Sealant design joint width-to-depth ratio should be 2:1.



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Limitation

Not recommended for the following applications:

- ◆ Below waterline or permanent water immersion.
- ◆ Outdoor sealing/bonding adjacent to glass substrates.
- ◆ Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces.
- ◆ Overcoated with
 - Alkyd resin paint - cure inhibition to the paint
 - Chlorinated paint - staining issue
 - Oil based paint - not compatible

Caution

Causes serious eye irritation. Wash hands thoroughly after handling. Wear eye protection. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice/attention. Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Disclaimer

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.